

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	8	US-6395674-\$ DID. OR JP-0686868-\$ DID. OR JP-08057648-\$ DID. OR JP-2006007256-\$ DID. OR US-20061001177-\$ DID. OR JP-2004261878-\$ DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 09:57
S2	2	JP-08155881-\$ DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 09:59
S3	2	JP-20067256-\$ DID. OR WO-2006001177-\$ DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 14:10
S4	3	JP-2006007256-\$ DID. OR WO-2006001177-\$ DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 14:58
S5	5160	(welding robot)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 15:12
S6	1850	(74/490.01,490.02,479.01,469).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/08/25 15:26
S7	23	S5 and S6	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/25 15:26
S8	2184	S5 and (mount\$2 or floor or ceiling or arm or side face)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 15:41
S9	1562	S5 and (mount\$2 or floor or ceiling or side face)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 15:42

S10	50	S5 and (side face)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 15:42
S11	50	S5 and (side face)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 15:43
S12	1543	S5 and (mount\$2 or floor or ceiling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 15:52
S13	448	S5 and (floor or ceiling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 15:52
S14	1494	S5 and (mounted or floor or ceiling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 15:53
S15	7	S5 and (floor-mounted or ceiling-mounted)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 15:53
S17	2	S6 and (ceiling-mounted)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 15:58
S18	1154	(219/124.34).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/08/25 16:00
S19	209	S18 and (welding robot)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 16:00
S21	73	S19 and (floor or mounted or ceiling or mounted)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 16:01

S22	202	(robot welder)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 16:22
S23	1	S22 and (floor-mounted or ceiling-mounted)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 16:23
S24	121	S22 and (floor or mounted or ceiling or mounted)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 16:23
S25	1	("20070145027").PN.	US_PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:00
S26	3	2004-055278	JPO; DERWENT	ADJ	ON	2010/01/29 11:12
S27	4	"2004055278"	JPO; DERWENT	ADJ	ON	2010/01/29 11:13
S28	210	(219/137.31).CCLS.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/29 11:42
S29	4	S28 and (weld\$3 robot)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/29 11:42
S30	4	S28 and (robot weld\$3)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/29 11:48
S31	1879	(74/490.01,490.02,479.01,469).CCLS.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/29 11:49
S32	26	S31 and (weld\$3 robot)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/29 11:49

S34	2	S32 and (feed\$2 and rotat\$3 with hollow)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/29 11:51
S35	17	("3543989").PN. OR ("4539465").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/30 14:32
S37	14	S35 and (feed\$2 or electric\$4 and rotat\$3 or hollow shaft)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/30 14:39
S38	14	("3293477" "3344305" "3693858" "3898419" "3924094" "4205771" "4539465").PN. OR ("4757180").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/30 14:54
S39	12	S38 and (feed\$2 or electric\$4 and rotat\$3 with hollow shaft or pipe or cable)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/30 14:55
S40	2578	(robot\$2 weld\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/30 14:58
S41	1108	S40 and (torch cable with weld\$3 wire and rotat\$3 with hollow shaft or arm or pivot\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/30 15:02
S42	15	S40 and (torch cable with weld\$3 wire)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/30 15:03
S43	15	S42 and (rotat\$3 with hollow shaft or arm or pivot\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/30 15:03
S44	2578	(robot\$2 weld\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 12:14
S46	27	S44 and (wire feed\$2 with rotat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 12:14
S47	2	(wire feed\$2 with rotat\$3 hollow shaft)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 12:50

S48	9	(wire feed\$2 with rotat\$3 with hollow shaft)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 12:50
S49	84	(wire feed\$2 with rotat\$3 and hollow shaft)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 13:02
S50	2	(wire feed\$2 with rotat\$3 adj hollow shaft)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 13:02
S51	2	(wire feed\$2 with rotat\$3 near hollow shaft)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 13:03
S52	1818	(wire feed\$2 with rotat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 13:04
S53	228	S52 and (hollow sharp or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 13:05
S54	40	("2880305" "3248515" "3275795" "3627973" "3815807" "4015086" "4160895" "4161640" "4199673" "4215809" "4242981" "4323750" "4357515" "4380697" "4514443" "4527039" "4531039" "4538046" "4550235" "4593445" "4647749" "4687899").PN. OR ("4952769").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/31 14:17
S55	27	S54 and (torch cable with weld\$3 wire and rotat\$3 with hollow shaft or arm or pivot\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 14:18
S56	1	S54 and (wire feed\$2 with rotat\$3 and hollow shaft)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 14:52

S58	13	US-5293107-\$ DID. OR JP-6315879-\$ DID. OR US-5606235-\$ DID. OR JP-7205065-\$ DID. OR US-6250174-\$ DID. OR JP-10175188-\$ DID. OR EP-06712205-\$ DID. OR EP-1669151-\$ DID. OR EP-1568449-\$ DID. OR JP-2006520434-\$ DID.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 16:49
S60	10	S58 and (torch cable with weld\$3 wire and rotat\$3 with hollow shaft or arm or pivot\$4)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 16:51
S62	49	(US-20050189333-\$ or US-20070012672-\$ or US-20080271561-\$ or US-20060000817-\$ or US-20060138116-\$ or US-20060101936-\$ or US-20080056859-\$ or US-20050199601-\$ or US-20060104791-\$ or US-20080315820-\$).did. or (US-5630955-\$ or US-7202442-\$ or US-6066833-\$ or US-4538047-\$ or US-5866874-\$ or US-6107601-\$ or US-6166506-\$ or US-7173213-\$ or US-4462748-\$ or US-5770834-\$ or US-5841104-\$ or US-4507042-\$ or US-4515521-\$ or US-4529352-\$ or US-4883939-\$ or US-5212432-\$ or US-5408065-\$ or US-5562843-\$ or US-6023045-\$ or US-6103976-\$ or US-7241969-\$ or US-4540869-\$ or US-6204469-\$ or US-6261701-\$ or US-6403918-\$ or US-6455803-\$).did. or (US-6476344-\$ or US-6479786-\$ or US-537938-\$ or US-5528013-\$ or US-5721417-\$ or US-5973291-\$ or US-6078023-\$ or US-6130407-\$ or US-6504131-\$ or US-6555786-\$ or US-6627849-\$ or US-6720529-\$ or US-6849826-\$).did.	US_PGPUB; USPAT	ADJ	ON	2010/07/06 14:40
S63	39	S62 and (wire feeder or feeder cable or cable or opposite or rotat\$3 or hollow pipe or hollow shaft or passor through or coupl\$3 or side or side face)	USPAT	ADJ	ON	2010/07/06 14:44
S64	89	(US-20050189333-\$ or US-20070012672-\$ or US-20080271561-\$ or US-20060000817-\$ or US-20060138116-\$ or US-20060101936-\$ or US-20080056859-\$ or US-20050199601-\$ or US-20060104791-\$ or US-20080315820-\$).did. or (US-5630955-\$ or US-7202442-\$ or US-6066833-\$ or US-4538047-\$ or US-5866874-\$ or US-6107601-\$ or US-6166506-\$ or US-7173213-\$ or US-4462748-\$ or US-5770834-\$ or US-5841104-\$ or US-4507042-\$ or US-4515521-\$ or US-4529352-\$ or US-4883939-\$ or US-5212432-\$ or US-5408065-\$ or US-5562843-\$ or US-6023045-\$ or US-6103976-\$ or US-7241969-\$ or US-4540869-\$ or US-6204469-\$ or US-6261701-\$ or US-6403918-\$ or US-6455803-\$).did. or (US-6476344-\$ or US-6479786-\$ or US-537938-\$ or US-5528013-\$ or US-5721417-\$ or US-5973291-\$ or US-6078023-\$ or US-6130407-\$ or US-6504131-\$ or US-6555786-\$ or US-6627849-\$ or US-6720529-\$ or US-6849826-\$).did.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 14:44

S65	74	S64 and (wire feeder or feeder cable or cable or opposite or rotat\$3 or hollow pipe or hollow shaft or passor through or coupl\$3 or side or side face)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 14:44
S66	79	S64 and (wire feeder or feeder cable or cable or opposite or rotat\$3 or hollow pipe or hollow shaft or passor through or coupl\$3 or side or side face or torch cable or weld\$3 torch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 14:49
S67	85	S64 and (industrial robot or robot or weld\$3 torch or weld\$3 robot)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 14:51
S68	75	S64 and (wire feeder or feeder cable or cable or opposite or rotat\$3 or hollow pipe or hollow shaft or pass\$2 through or coupl \$3 or side or side face or torch cable or pivot \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 14:54
S69	74	S67 and (wire feeder or feeder cable or cable or opposite or rotat\$3 or hollow pipe or hollow shaft or pass\$2 through or coupl \$3 or side or side face or torch cable or pivot \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 14:54
S70	13	("3543984" "4101755" "4166941" "4249062" "4283617").PN. OR ("4507042").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/06 15:15
S71	9	S70 and (industrial robot or robot or weld\$3 torch or weld\$3 robot)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 15:15
S72	9	S71 and (wire feeder or feeder cable or cable or opposite or rotat\$3 or hollow pipe or hollow shaft or pass\$2 through or coupl \$3 or side or side face or torch cable or pivot \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 15:15
S73	31	("1551332" "1822260" "2826440" "3322866" "3593952" "4288292" "4378959" "4507042" "4542279" "4659279" "4700017" "4767257" "4780045").PN. OR ("4969795").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/06 15:22
S74	16	S73 and (industrial robot or robot or weld\$3 torch or weld\$3 robot)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 15:22

S75	16	S74 and (wire feeder or feeder cable or cable or opposite or rotat\$3 or hollow pipe or hollow shaft or pass\$2 through or coupl \$3 or side or side face or torch cable or pivot \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 15:23
S76	61	("3330056" "3543910" "3630389" "3840128" "4012069" "4024961" "4076131" "Re28089").PN. OR ("4378959").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/06 15:44
S77	50	S76 and (industrial robot or robot\$2 or weld \$3 torch or weld\$3 robot or manipulator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 15:50
S78	50	S77 and (wire feeder or feeder cable or cable or opposite or rotat\$3 or hollow pipe or hollow shaft or pass\$2 through or coupl \$3 or side or side face or torch cable or pivot \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 15:50
S79	11	("3840128" "4024961" "4378959").PN. OR ("4546233").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/06 16:08
S80	9	S79 and (industrial robot or robot\$2 or weld \$3 torch or weld\$3 robot or manipulator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 16:08
S81	9	S80 and (wire feeder or feeder cable or cable or opposite or rotat\$3 or hollow pipe or hollow shaft or pass\$2 through or coupl \$3 or side or side face or torch cable or pivot \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 16:08
S82	18	("2916082" "3391804" "3608743" "4024961" "4259876" "4277044" "4283165" "4500251" "4537233" "4546233" "4552505" "4620829" "4659280").PN. OR ("4768918").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/06 16:10
S83	13	S82 and (industrial robot or robot\$2 or weld \$3 torch or weld\$3 robot or manipulator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 16:10
S84	12	S83 and (wire feeder or feeder cable or cable or opposite or rotat\$3 or hollow pipe or hollow shaft or pass\$2 through or coupl \$3 or side or side face or torch cable or pivot \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 16:10
S85	1924	(74/490.01,490.02,479.01,469).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/07/06 16:20

S86	522	S85 and (industrial robot or robot\$2 or weld\$3 torch or weld\$3 robot or manipulator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 16:20
S87	495	S86 and (wire feeder or feeder cable or opposite or rotat\$3 or hollow pipe or hollow shaft or pass\$2 through or side face or torch cable or pivot\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 16:21
S89	1	"07108485"	JPO	ADJ	ON	2010/07/12 09:09

7/12/2010 12:08:32 PM

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